| <br> | <br>aims |  |
|------|----------|--|
|      |          |  |

| Application No. | Applicant(s)     |  |
|-----------------|------------------|--|
| 10/603,653      | CARLSTROM ET AL. |  |
| Examiner        | Art Unit         |  |
| Jennifer H. Gay | 3672             |  |

| = | Allowed  |
|---|----------|
| √ | Rejected |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |  |
|---|--------------|--|
| ı | Interference |  |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|               |  |                                       |              |  |  |          | ı              |  |          | L               |
|---------------|--|---------------------------------------|--------------|--|--|----------|----------------|--|----------|-----------------|
| Cla           | im   | T                                     |              |  | r  | Date     | _              |  |          |                 |
| - 018         |  | $\vdash$                              |              |  |  | Jack     | í              |  |          | Н               |
| <del></del> . | Original   | 3/29/05                               | 11/2/05      |  |  |          |                |  |          |                 |
| Final         | įĝ   | 73                                    | 1/2          |  |  |          |                |  |          |                 |
| ш.            | ō  | 8                                     | <del>-</del> |  |  |          |                |  |          |                 |
|               | 1  | 1                                     |              | $\vdash$   |  |          |                |  |          | $\dashv$        |
|               | 1<br>2<br>3<br>4<br>5<br>6                         | 7 7 7 7                               | -            |  |  | _        |                |  |          | П               |
|               | 3  | 1                                     | 1            |  |  | _        |                |  |          |                 |
|               | 4  | 1                                     | 1            |  |  |          |                |  | _        |                 |
|               | 5  | 1                                     | V            |  |  |          |                |  |          |                 |
|               | 6  | 7                                     | 1            |  | L  |          |                |  |          |                 |
|               | 7  | 1                                     | 1            |  |  |          | L              | _  |          |                 |
|               | 8  | V                                     | V            |  | _  |          | _              |  |          | Щ               |
| <u></u>       | 9  | V                                     | Ţ            | L.   |  |          | _              |  |          |                 |
|               | 10   | 1                                     | 1            | <u> </u>   |  |          | _              | _  |          | $\dashv$        |
|               | 11   | V                                     | <u> </u>     |  | <del> </del>                                     | -        | -              | -  |          | $\vdash\vdash$  |
| <del> </del>  | 12   | 1                                     | 1            | $\vdash$   |  | $\vdash$ | <del> </del>   | -  | <u> </u> | Н               |
|               | 14   | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | 7            |  | -  | _        |                | -  | _        | $\vdash\vdash$  |
| <u> </u>      | 15   | 1                                     | J            | ┢  |  | $\vdash$ |                | $\vdash$   | $\vdash$ | $\vdash\vdash$  |
| <del> </del>  | 10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18 | ╁                                     | 7 7          | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$       | <del>                                     </del> | $\vdash$ | $\vdash \vdash$ |
|               | 17   | ┢                                     | V            | -  | <del>                                     </del> |          | <del> </del>   |  | -        | $\vdash$        |
|               | 18   |                                       | Ť            |  |  |          | -              | $\vdash$   | -        | $\vdash$        |
|               | 19   |                                       |              |  | $\vdash$   |          | _              | Н  |          |                 |
|               | 20   |                                       |              |  |  |          |                |  |          |                 |
|               | 21   |                                       |              |  | Г  |          |                |  |          |                 |
|               | 22   |                                       |              |  |  |          |                |  |          |                 |
|               | 21<br>22<br>23<br>24<br>25<br>26<br>27             |                                       |              |  |  |          |                |  |          |                 |
|               | 24   |                                       |              |  |  |          |                |  |          | Ш               |
|               | 25   |                                       |              |  | _  |          | _              |  |          | Щ               |
|               | 26   | _                                     |              |  | _  |          | ļ              | _  |          |                 |
|               | 27   | <u> </u>                              |              | ļ  | ļ  |          | <u> </u>       |  | ļ        |                 |
|               | 28   | <u> </u>                              |              |  | <del> </del> -                                   |          | ⊢              | <u> </u>   | <u> </u> | $\vdash$        |
| ļ             | 29<br>30   | ļ.                                    |              |  | _  |          | ⊢              | ├  |          | $\vdash$        |
| <u> </u>      | 30   | -                                     | $\vdash$     | ⊢  | $\vdash$   | H        | <del> </del>   | <del> </del>                                     | ļ        | $\vdash \vdash$ |
| <u> </u>      | 31   | -                                     | $\vdash$     | ├  | $\vdash$   |          | <del> </del>   | $\vdash$   |          | $\vdash \vdash$ |
|               | 31<br>32<br>33                                     | ╁                                     | $\vdash$     | $\vdash$   | $\vdash$   | -        | $\vdash$       |  | $\vdash$ | $\vdash \vdash$ |
| <del> </del>  | 34   | ╁                                     | ┝            | $\vdash$   | $\vdash$   | -        | -              | -  | $\vdash$ | Н               |
| $\vdash$      | 34<br>35   | $\vdash$                              | $\vdash$     | <del>                                     </del> | $\vdash$   | $\vdash$ | $\vdash$       | $\vdash$   | $\vdash$ | Н               |
| <del></del>   | 36   | $\vdash$                              |              |  | $\vdash$   |          |                |  | $\vdash$ | Н               |
| <b></b>       | 37   | t                                     |              | <del>                                     </del> | l  |          | T              | $\vdash$   | $\vdash$ | Н               |
|               | 38   | Г                                     | Г            |  |  |          |                | T  | Ι        | П               |
|               | 39   | L                                     |              |  |  |          |                |  |          |                 |
|               | 40   |                                       |              |  |  |          |                |  |          |                 |
|               | 41   |                                       |              |  |  |          |                |  | L        |                 |
|               | 42   |                                       | 匚            |  |  |          |                | 匚  | L        | Ш               |
|               | 43   | <u></u>                               | _            |  | _  | _        |                |  |          | Ш               |
|               | 44   | <u> </u>                              | <u> </u>     |  | 1  | <u> </u> | <u> </u>       |  | <u>L</u> | Ш               |
| <u> </u>      | 45   | <u> </u>                              |              | _  | <u> </u>   | <u> </u> | <u> </u>       | _  | <u> </u> | Ш               |
| ļ             | 46   | $\vdash$                              | <u> </u>     | <b>—</b>   | <u> </u>   | <u> </u> | <u> </u>       | <u> </u>   | <u> </u> | Ш               |
| ļ             | 47   | ļ.,                                   | $\vdash$     | $\vdash$   | ـــ  | -        | ļ              |  | $\vdash$ | Щ               |
| <u> </u>      | 48   | <del> </del>                          | ⊢            | ├-   |  | <u> </u> | ├              | <del> </del>                                     | ⊢        | $\vdash \dashv$ |
| <u> </u>      | 49   | <u> </u>                              | ├-           | <u> </u>   | ₩.   | <u> </u> | <del> </del> — | $\vdash$   | <u> </u> | Н               |
| I             | 50   | 1                                     | l            | ı  | 1  | Ī        | l              | ı  | 1        | ıl              |

|          | Claim Date   |          |          |  |          |                |          |              |  |  |
|----------|--|----------|----------|--|----------|----------------|----------|--------------|--|--|
| Cla      | im   | _        |          |  | _[       | Date           | -        |              |  |  |
| Final    | Original   |          |          | 100  |          |                |          |              |  |  |
|          | 51   |          |          |  |          |                |          |              |  |  |
|          | 52   |          |          |  |          |                |          |              |  |  |
|          | 53   |          |          |  |          |                |          |              |  |  |
|          | 54   |          |          |  |          |                |          |              |  |  |
|          | 51<br>52<br>53<br>54<br>55                               |          |          |  |          |                |          |              |  |  |
|          | 56<br>57   |          |          |  |          |                |          |              |  |  |
|          | 57   |          |          |  |          |                |          |              |  |  |
|          | 58<br>59   |          |          | _  |          |                |          |              |  |  |
|          | 59   |          |          | _  |          |                |          |              |  |  |
|          | 60   |          |          | <u> </u>   | _        |                | _        | _            |  | _  |
|          | 61   |          |          | _  |          | <u> </u>       | _        | _            | _  | _  |
| <u> </u> | 61<br>62<br>63   |          | <u> </u> | L-   |          | <u> </u>       | <u> </u> | -            | <u> </u>   | <u> </u>   |
| <u> </u> | 63   | Ш        | _        |  | H        | $\vdash$       | Ь.,      | L            | <b> </b>   |  |
| <u> </u> | 64<br>65   | <u> </u> | <u> </u> | <del>                                     </del> | -        | -              |          |              | ļ  | _  |
| ├        | 66   | Ь        |          | -  | <u> </u> | <u> </u>       | H        | H            | H  |  |
| ├        | 67   | -        |          |  | _        | -              |          | -            | -  |  |
|          | 67<br>68   | -        | —        | H  | _        | ┝              | $\vdash$ | $\vdash$     |  |  |
| <u> </u> | 69   |          |          | H  |          |                |          | -            |  | -  |
| -        | 70   | -        |          | -  | _        | -              | _        | $\vdash$     | _  | _  |
|          | 71   | $\vdash$ | $\vdash$ |  |          |                | -        | -            | -  | _  |
| <u> </u> | 72   |          | -        | -  |          | <u> </u>       | $\vdash$ | $\vdash$     | $\vdash$   |  |
| $\vdash$ | 73   | _        | ┢        |  |          | ┢              | $\vdash$ | $\vdash$     | H  |  |
|          | 74   |          |          | <del>                                     </del> |          | $\vdash$       |          |              | Г  |  |
|          | 75   |          |          |  |          |                |          |              |  |  |
|          | 76   |          |          |  |          |                |          |              |  |  |
|          | 77   |          |          |  |          |                |          |              |  |  |
|          | 70<br>71<br>72<br>73<br>74<br>75<br>76<br>77<br>78<br>79 |          |          |  |          |                |          |              |  |  |
|          | 79   |          |          | L  |          | _              |          |              |  |  |
|          | 80   |          | L        |  |          | _              |          | _            | L_   |  |
| <u></u>  | 81   |          | L.       | L  | _        | L              |          | _            | _  | _  |
| <u> </u> | 82   | ļ        | ļ        | ļ  | Ш.       | _              | <u> </u> | <u> </u>     |  | _  |
|          | 83   | -        | ļ        | -  |          | <u> </u>       | _        | <u> </u>     | _  | <u> </u>   |
|          | 83<br>84<br>85   |          |          | ļ.   | <u> </u> | <del> </del> — | <u> </u> | <u> </u>     | _  | <u> </u>   |
| _        | 86   | ├        |          | _  | -        | -              | <u> </u> | <u> </u>     | -  | <u> </u>   |
|          | 87   | -        | -        | -  | ⊢        | ⊢              | -        |              | -  | $\vdash$   |
| <u> </u> | 88   | -        | $\vdash$ |  | ┝        | -              | ┝        | <del> </del> | -  | ├  |
|          | 89   | -        | $\vdash$ | ┢  | -        | -              | -        | <del> </del> | H  | $\vdash$   |
|          | 90   | -        |          | -  | ┝        | $\vdash$       | ┝        | ┢─           | $\vdash$   | -  |
| 1        | 91   | -        | $\vdash$ |  | ┢        |                | <u> </u> | $\vdash$     | $\vdash$   | <u> </u>   |
|          | 92   | Η        | T        | $I^-$  |          | Г              | $\vdash$ | $\vdash$     | <del>                                     </del> | <del>                                     </del> |
|          | 93   | Г        | Ι        |  |          |                | Г        | Г            | Г  |  |
|          | 94   |          | Γ        |  | $\vdash$ |                |          |              |  |  |
|          | 95   |          |          |  |          |                | Γ        | Г            |  |  |
|          | 96   |          |          |  |          |                |          |              |  |  |
|          | 97   |          |          |  |          |                |          |              |  |  |
|          | 98   |          |          |  |          |                |          |              |  |  |
|          | 99   |          |          |  | $\Box$   | 匚              | L.       | $\Box$       | L  | $ar{\Box}$                                       |
| L        | 100  | <u> </u> |          |  | L        | L              | L        | L            | L_   |  |

|       | Claim Date   |   |          |          |          |          |          |              |          |                 |
|-------|--|---|----------|----------|----------|----------|----------|--------------|----------|-----------------|
| Cla   |  |   |          | _        | (        | Date     | -        | _            | _        | $\dashv$        |
| Final | Original   |   |          |          |          |          |          | * * * *      |          |                 |
|       | 101  |   |          |          |          |          |          |              |          |                 |
|       | 102  |   |          |          |          |          |          |              |          |                 |
|       | 103  |   |          |          |          |          |          |              |          |                 |
|       | 101<br>102<br>103<br>104   |   |          |          |          |          |          |              |          | Ш               |
|       | 105<br>106   |   |          |          |          |          |          |              |          | Щ               |
|       | 106  |   |          |          |          |          |          |              |          | Н               |
|       | 107  |   |          |          |          |          |          |              | _        | Н               |
|       | 108<br>109   |   |          |          |          |          |          |              |          | Н               |
|       | 110  |   |          |          |          |          |          |              |          | Н               |
|       | 111  |   | _        |          | _        |          |          |              |          | Н               |
|       | 112  |   |          |          |          |          |          |              |          | $\dashv$        |
|       | 113<br>114<br>115  |   |          |          |          |          |          |              |          |                 |
|       | 114  |   |          |          |          |          |          |              |          |                 |
|       | 115  |   |          |          |          |          |          |              |          |                 |
|       | 116<br>117   |   |          |          |          |          |          |              |          |                 |
|       | 117  |   |          | Ĺ        |          |          |          |              |          | Ш               |
|       | 118  |   |          |          |          |          |          |              |          | Ш               |
|       | 119  | _   |          |          |          |          |          |              | _        | _               |
|       | 120  | _   |          |          |          |          |          |              | _        | Н               |
|       | 122  |   |          |          |          |          |          |              | _        | -               |
|       | 123  | $\vdash$  | _        |          |          | _        |          | -            |          | $\vdash$        |
|       | 124  | -   |          |          |          | -        |          |              |          | $\vdash$        |
|       | 125  |   |          |          | _        |          |          |              |          | Н               |
|       | 126  |   |          |          |          |          | _        |              |          | П               |
|       | 127  |   |          |          |          |          |          |              |          |                 |
|       | 119<br>120<br>121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130 |   |          |          |          |          |          |              |          |                 |
|       | 129  |   |          |          |          | Ц.       |          |              |          |                 |
|       | 130  |   |          |          |          | _        |          | <u> </u>     |          | _               |
|       | 131  |   |          |          | <u> </u> | ļ        |          | ļ            | _        | L.,             |
|       | 132<br>133   |   |          | _        | <u> </u> | <u> </u> | <u> </u> |              | <u> </u> | H               |
|       | 134  |   | _        | -        |          |          | _        | <del> </del> | -        | Н               |
|       | 135  | -   | -        | -        | _        |          | -        |              | -        | -               |
|       | 135<br>136   | _   | Н        |          | _        |          | _        | $\vdash$     | $\vdash$ | $\vdash$        |
|       | 137  | $\vdash$  | _        | _        | $\vdash$ | $\vdash$ |          | $\vdash$     |          | $\neg$          |
|       | 138<br>139   | П   |          |          |          |          |          |              |          |                 |
|       | 139  |   |          |          |          |          |          |              |          |                 |
|       | 140  |   |          |          |          |          |          |              |          |                 |
|       | 141  | $ldsymbol{ld}}}}}}$ |          |          |          |          |          |              |          |                 |
|       | 142  | L.  | L.       | L.       | <u> </u> | <u>L</u> |          | L            | L        | Ш               |
|       | 143  | <u> </u>  | L.       | ļ        | <u> </u> | <u> </u> | <u> </u> | ļ            | <u> </u> | Щ               |
|       | 144  | $\vdash$  | L        | _        | <u> </u> | ļ        | <u> </u> | <u> </u>     | ⊢        | Н               |
|       | 145  | H   |          | L        | <u> </u> | ⊢        | <u> </u> |              | ⊢        | Н               |
|       | 146<br>147   |   | -        | <u> </u> |          | $\vdash$ | -        | ⊢            | -        | $\vdash \vdash$ |
|       | 148  | $\vdash$  | $\vdash$ | ├        | $\vdash$ | $\vdash$ | $\vdash$ | ⊢            | $\vdash$ | $\vdash \dashv$ |
|       | 149  | $\vdash$  | ┝        | $\vdash$ | -        | $\vdash$ | $\vdash$ | ┢            | $\vdash$ | H               |
|       | 150  | <del>                                     </del>  |          | ┈        | $\vdash$ | ┢        | $\vdash$ | $\vdash$     | ┢        | Н               |
|       | 1.00   | Щ.  | Ц        | L        |          | ш        | Ц        | -            | Ь.       | لـــا           |